

Volkovich, A. A.

ROLE OF NEUROSECRETION OF HYPOTHALAMIC
NUCLEI IN REGULATION OF WATER METABOLISM.
[1963] [36p] 64refs FASEB manuscript no.-S 115-3.

Order from OTS, SLA, or ETC \$3.60 TT-64-13499
figs. available on loan from OTS

Trans. of Fiziologicheskii Zhurnal (USSR) 1962, v. 8,
no. 2, p. 147-158.

DESCRIPTORS: Secretion, *Thalamus, Nuclei (Biology),
Water, Metabolism, *Body fluids, *Pituitary hormones,

(Biological Sciences--Physiology, TT, v. 11, no. 9)

TT-64-13499

I. Volkovich, A. A.

H. FASEB-S-115-3

III. Federation of American
Societies for Experimental
Biology, Washington, D.C.

IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Troshykhina, V. A.
SOME QUESTIONS ON THE DEVELOPMENT OF
CONGENITAL CONDITIONED REACTIONS AND
NEUROSES DURING ONTOGENESIS (Deyaki Pytannya
Rozvytku Pryrodzhennykh Umovaykh Reaktsii i
Nevroziv v Ontogenezi). [1963] [18p] 16 refs FASEB
Manuscript no. S 349-2.
Order from OTS, SLA, or ETC \$1.60 TT-63-23903

Trans. of Fiziolichnyi Zhurnal (USSR) 1962, v. 8,
no. 2, p. 159-167. (Abstract available)

DESCRIPTORS: *Conditioned reflex, Reflexes,
*Reaction (Psychology), *Neuroses, *Speech disorders,
Infants, Analyzers (Psychology)

The development and changes of the sucking and
optokinetic reflexes of puppies during the first year of
life are described. Neuroses were developed in puppies
by conditioned reactions formed in association with
(Behavioral Sciences--Psychology, TT, v. 11, no. 7)
(over)

TT-63-23903

- I. Troshykhina, V. A.
- II. FASEB S-349-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Optimum Conditions for Recording Electroplethysmograms
of Parts and Organs of the Human Body, by Yu. Ye.
Moskalenko.

RUSSIAN, per, Fiziol Zhurnal, 1962, Vol 8, No 2,
pp 214-218.

NLL 6015.49 1964 (203) (On Loan)

Aug 65

287,167

(SF-1878)

Yevgen Borysovykh Babs'kyi, 4 pp.

UKRAINIAN, per, Fiziologichnyi Zhurnal,
Vol VIII, No 2, pp 275-277.

JPRS 14831

USSR - Ukraine
Biog
Aug 62

Komisarenko, V. P.

SOME PHYSIOLOGIC INTERRELATIONSHIPS BETWEEN THE ADRENAL CORTEX AND THE NERVOUS SYSTEM. [1963] [24p] Srefs FASEB Manuscript no.: S 116-3.

Order from OTS, SLA, or ETC \$2.60 TT-63-24459

Trans. of Fiziologicheskii Zhurnal (USSR) [1962] v. 8, no. 3, p. 283-291.

DESCRIPTORS: *Adrenal cortex, *Nervous system, *Corticosteroid agents, Stimulation, Hormones,

(Biological Sciences--Physiology, TT, v. 11, no. 5)

TT-63-24459

I. Komisarenko, V. P.

II. FASEB-S-116-3

III. Federation of American Societies for Experimental Biology, Washington, D. C.

IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Agarkov, G. B.
SOURCES OF INNERVATION OF THE ADRENAL
GLANDS AND THEIR VESSELS. [1963] [15p] 10 refs
FASEB manuscript no. S 351-2
Order from OTS, SLA, or ETC \$1.60 TT-64-13410

Trans. of Physiology [Zhurnal] (USSR) 1962,
v. 8, no. 5, p. 373-381.

DESCRIPTORS *Adrenal glands, Nerves, Blood
vessels

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

TT-64-13410

- I. Agarkov, G. B.
- II. FASEB-S-351-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Investigating Local Thermal Effect of
Electromagnetic 3 cm Waves on Animals,
by V. I. Mirutenko, 11 pp.

UKRAINIAN,
~~RUSSIAN~~, per Fiziologicheskii Zhurnal,
Vol VIII, No 3, Jun 1962, pp 382-389.
9667361

FTD-TT-62-1361

Sci - Biol, Med.
Jan 63

Morphological Changes in Internal Organs When the
Organism is Exposed to the Effect of Centimeter
Waves, by S. F. Gorodetska, 8 pp.

UKRAINIAN, per, *Fiziologichnyi Zhurnal*, Vol VIII,
No 3, Jun 1962, pp 390-396. 9667361

FTD-TT-62-1361

Sci - Biol, Med
Jan 63

Dumenko, V. M.
ELECTROGRAPHIC EXPRESSION OF CERTAIN
FORMS OF INTERNAL INHIBITION. [1963] [16p]
(figs omitted) 17 refs FASEB Manuscript no. S 353-2.
Order from OTS, SLA, or ETC \$1.60 TT-63-23902
figs. available on loan from OTS

Trans. of Fiziologichnyi Zhurnal (USSR) 1962,
v. 8, no. 4, p. 471-480. (Abstract available)

DESCRIPTORS: *Electroencephalography, *Cerebral
cortex, inhibition, Bioelectronics, *Conditioned reflex,
Brain.

Characteristic of the EEG manifestations of differ-
ential inhibition are: (a) continuation of electrical
reaction after stimulation ceased; (b) increased latency
of electrical reactions; (c) progressively decreasing
reactivity until changes in electrical activity are no
longer observed; (d) absence of slow waves. Charac-
(Biological Sciences--Physiology, TT, v. 11, no. 5)
(over)

TT-63-23902

- I. Dumenko, V. M.
- II. FASEB S-353-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Cherkes, V. O. and Martynenko, N. A.
CHANGES IN BIOPOTENTIALS OF THE CORTIX
FOLLOWING HIGH-FREQUENCY RHYTHMIC
STIMULATION OF THE CAUDATE NUCLEUS. [1963]
[15p] (figs omitted) 18refs FASEB Manuscript no. S354-2.
Order from OTS, SLA, or ETC \$1.60 TT-63-23901
figs. available on loan from OTS

Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8,
no. 4, p. 431-437. (Abstract available)

DESCRIPTORS: *Bioelectronics, *Cerebral cortex,
Stimulation, *High frequency, Nuclei (Biology), Brain.

It was shown in experiments with cats that following
bilateral electrolytic destruction of the ventrolateral
thalamic nuclei, or of the globus pallidus, stimulation
of the caudate nucleus continues to cause "desynchroni-
zation" in the motor zone of the cortex, just as it does
before destruction. These observations seem to
(Biological Sciences--Physiology, TT, v. 11, no. 6) (over)

TT-63-23901

- I. Title: Caudate nucleus
- I. Cherkes, V. O.
- II. Martynenko, N. A.
- III. FASEB S-354-2
- IV. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Minku [Ya].
PATHOHISTOLOGICAL AND HISTOCHEMICAL STUDY
OF HEPATITIS. [1963] [19p] FASEB manuscript
no. S 355-2.
Order from OTS, SLA, or ETC \$1.60 TT-64-13408
figs. available on loan from OTS
Trans. of Fiziologicheskii Zhurnal (USSR) 1962, v. 8,
no. 4, p. 532-542.

(Biological Sciences--Pathology, TT, v. 11, no. 11)

TT-64-13408

- I. Minku, Ya.
- II. FASEB-S-355-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Kostyuk, P. G. and Savoskina, L. O.
FUNCTIONAL CHANGES IN DEGENERATING
SYNAPTIC ENDINGS. Nov/Dec 63, 5p 23refs
Order from FASER \$2.00 in Federation Proceedings
Translation Supplement, v. 22, no. 6, pt. II,
p. T1107-T1111

Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8,
no. 5, p. 581ff.

DESCRIPTORS: *Nerve cells, *Neuromuscular
transmission, *Spinal cord, Motor reactions,
*Atrophy, Bioelectronics.

Physiological Sciences: Physiology. II, v. 11, no. 581

TT-63-17973-6
(p. T1107-T1111)

- I. Kostyuk, P. G.
- II. Savoskina, L. O.
- III. Federation of American
Societies for Experimental Biology,
Washington, D. C.

Office of Technical Services

Os'mak, A. A.
BEHAVIOR OF ALBINO RATS FOLLOWING DE-
STRUCTION OF THE BASAL GANGLIA. [1963] 113p
11 refs FASEB Manuscript no. : S 433-2
Order from OTS, SLA, or ETC \$1.60 TT-63-24523
figs. available on loan from OTS
Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8,
no. 5, p. 616-621. (Abstract available)

DESCRIPTORS: Behavior, *Ganglia, *Cerebrum,
*Thalamus.

After unilateral destruction of the caudate nucleus,
slight behavioral changes of short duration (4-7 days)
are observed in rats; weakening of the orienting reflex
and sometimes circular movements towards the side of
the destruction, with head turned to same side. The
changes are marked, persistent (lasting a month or
more) and diverse changes are observed after bilateral
destruction of the caudate nuclei. Torpor and weakened
(Biological Sciences--Physiology. TT, v. 11, no. 6)
(over)

TT-63-24523

- I. Title: Caudate nuclei
- I. Os'mak, A. A.
- II. FASEB-S-433-2
- III. Federation of American
Societies for Experi-
mental Biology.
Washington, D. C.
- IV. Scripta Technica, Inc..
Washington, D. C.

Office of Technical Services

Valova, T. K.
CHANGES IN SERUM PROTEINS UNDER THE IN-
FLUENCE OF ACTH IN CCl_4 POISONING OF THE
LIVER. [1963] [16p] 12 refs FASEB Manuscript
no. 5 434-2.
Order from OTS, SLA, or ETC \$1.60 TT-63-24525

Trans. of Fiziolicheskii Zhurnal (USSR) 1962, v. 8,
no. 3, p. 622-629. (Abstract available)

DESCRIPTORS: *Blood proteins, *Adrenocorticotrophic
hormone, Liver cirrhosis, *Poisoning, Liver, *Carbon
tetrachloride, Globulins, Gamma globulin,

The serum protein changes after ACTH injections in
rabbits with CCl_4 induced liver damage were studied.
Blood samples were taken before and four hours after
ACTH injection, both in the control and the CCl_4
poisoned animals. Following the ACTH injections, the
(Biological Sciences--Physiology, TT, v. 11, no. 6)
(over)

TT-63-24525

- I. Valova, T. K.
- II. FASEB-5-434-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Levchenko, M. N.

THE FUNCTIONAL INTERACTION OF THE THYROID GLAND AND THE ADRENALS IN THE REGULATION OF BLOOD PROTEINS. [1963] [15p] FASEB Manuscript no.: S 435-2.

Order from OTS, SLA, or ETC \$1.60 TT-63-24526

Trans. of Fiziologicheskii Zhurnal (USSR) 1962, v. 8, no. 5, p. 630-637. (ABSTRACT available)

DESCRIPTORS: *Thyroid gland, Endocrine glands, *Adrenal glands, *Blood proteins, Adrenocorticotrophic hormone, Albumins, Globulins, Thyroid hormones,

Single injection of ACTH to normal rabbits causes an increase in the total blood serum protein content as a result of an increase in the finely dispersed albumins. There is also a decrease in the serum globulins, which leads, in turn, to an increase in the A/G ratio. The (Biological Sciences--Physiology, TT, v. 11, no. 5) (over)

TT-63-24526

- I. Levchenko, M. N.
- II. FASEB-S-435-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Starushenko, L. I.

INTRA-ARTERIAL INJECTION OF A SOLUTION OF
SODIUM LACTATE AND AMINOKROVIN (LACTAMIN)
INTO ANIMALS AFTER MASSIVE LOSS OF BLOOD
(Vnutryarterial'no Nagubitannyya Rozchynu Laktatu
Natriyu z Aminokrovinom (Lactaminu) Tvaryam
Pislyu Masyvnoyi Krovotraty). [1963] [15p] Serefo
FASEB Manuscript no.: S 438-2.

Order from OTS, SLA, or ETC \$1.60 TT-63-24532

Trans. of Fiziolicheskoy Zhurnal (USSR) 1962, v. 8,
no. 5, p. 638-643. (Abstract available)

DESCRIPTORS: Injections (Medical), Arteries,
*Hemorrhage, *Plasma substitutes, *Lactates,
*Albumins, *Protein hydrolysates, Blood transfusions.

A study was made of hemodynamics in dogs after intra-
arterial injection of a solution of sodium lactate, mixed
(Biological Sciences--Pathology. TT, v. 11, no. 6)over

TT-63-24532

- I. Title: Lactamin
- I. Starushenko, L. I.
- II. FASEB-S-438-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Shuba, M. F.
SPONTANEOUS ACTIVITY IN SMOOTH MUSCLE
(Ob Pytaniya pro Spontannu Aktivnost' v Gladkoyu
Muskul'. [1963] 125p. 11 refs. FASEB Ma no. 3271-3.
Order from NLS, SFA, or FIC \$2.60 TT-64-13909

Trans. of Fiziologichnyi Zhurnal (USSR) 1963, v. 9,
no. 1, p. 45-55.

DESCRIPTORS: *Muscles, Contraction, Kymography,
Electric potential.

(Biological sciences--Physiology, TT, v. 11, no. 10)

TT-64-13909

- I. Shuba, M. F.
- II. FASEB-S-271-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

CHANGES IN THE MORPHOLOGICAL COMPOSITION OF THE
BLOOD IN UNDERWATER SUBMERSION OF ATHLETES, BY
M. F. SIROTINA, 8 PP.

UKRAINIAN, PER, FIZIOLOGICHNYY ZHURNAL, NO 1,
1963, PP 77-78.

JPRS 18855

SCI - BIOL & MED
MAY 63

228,791

RESTORATION OF CIRCULATION AND RESPIRATION IN
DOGS REVIVED AFTER LONG TERMS OF CLINICAL DEATH
DUE TO ELECTRIC TRAUMA, BY M. P. ADAMENKO,
10 PP.

UKRAINIAN, PER, FIZIOLOGICHNYY ZHURNAL, NO 1,
1963, PP 82-88.

JPRS 18855

SCI - BIOL & MED
MAY 63

228,792

Berezova'ki, V. Ya.

TEMPORARY LOCAL TEMPERATURE FLUCTUATIONS IN THE CEREBRAL CORTEX OF THE DOG AND THEIR DEPENDENCE ON REGIONAL BLOOD CIRCULATION (Korotkochni Miersevi Kolyvaanya Temperatury Kory Holovnoho Mozku Sobaky i Yich Zalezhnist' vid Regionalnogo Krovoolihu). [1963] [17p] 3irefa PASEB manuscript no. S 272-3. Order from OTS, SLA, or ETC \$1.60 TT-64-13531

Trans. of Fiziolichnyi Zhurnal (USSR) 1963, v. 9, no. 1, p. 90-95.

DESCRIPTORS: *Body temperature, *Cerebral cortex, Blood circulation, Brain, Stimulation

(Biological Sciences--Physiology, TT, v. 11, no. 8)

TT-64-13531

- I. Berezova'ki, V. Ya.
- II. PASEB-S-272-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

On the Principle of the Philosophical Problem of
Biological Cybernetics, by M. L. Gorbach, 12 pp.
RUSSIAN, per, Fiziologichny Zhur, Vol IX, No 2,
1963, pp 151-157. 9694851
FTD-TT-64-386

Sci - Biol & Med Sci
Oct 64

267,690

Svyatun, T. I.

THE SECRETION OF THE GASTRIC GLANDS IN
RESPONSE TO A MIXED DIET DURING MUSCULAR
ACTIVITY OF VARYING INTENSITY (Sekretsiya
Shlunkovykh Zalez na Zmishhanu Yizhu pid Chas
M'язovoyi Dyal'oveti Rізnoyi Intensyvnoeti). [1963]
[13p] 34 refs FASEB Me no. S547-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13905

Trans. of Fiziologichnyi Zhurnal (USSR) 1963, v. 9,
no. 2, p. 215-220.

DESCRIPTORS: Secretion, *Stomach, *Glands, Diet,
*Exercise.

(Biological Sciences--Physiology. TT, v. 11, no. 10)

TT-64-13905

- I. Svyatun, T. I.
- II. FASEB-S-547-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Floater Recording Device for Physiological Investigations,
by V. G. Natski,
RUSSIAN, per, Fiziol Zhur, Vol IX, No 2, 1963, p 273-274.
FTD-TT-64-386 9694851

Sci - Biol & Med
Apr 64

On Recording Nystagmus by Means of a Transducer
and Oscillograph, by V. T. Khleba, N. P. Kostin.
RUSSIAN, per, Fiziol Zhur, Vol IX, No 2, 1963,
pp 274-7: 276, 9694851
FTD-TT-64-386

Sci - Biol & Med
Apr 64

Regional Hemodynamics Indicators at Vestibular Loads,
by E. O. Nakhopatov, 9 pp.
RUSSIAN, per, Fiz Zhur, Vol IX, No 3, 1963,
pp 323-329. 9691990
FTD-TT-64-32

Sci- Phys
Mar 64

253,036

Pirogov, V. O.
MEASUREMENT OF THE TEMPERATURE OF THE
CORTICAL AND MEDULLARY LAYERS OF THE
KIDNEY DURING ITS FUNCTIONAL ACTIVITY
(Vzniizhennaya Temperaturi Kortikovo i Mozgovoho
Shari v Nirkh v Protsele ytyi Dyal'nosti). [1964] [16p]
12refs PASEB Ma no. S661-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-15445

Trans. of Fiziologicheskii Zhurnal (USSR) 1963,
v. 9, no. 5, p. 357-362.

(Biological Sciences--Physiology, TT, v. 12, no. 3)

TT-64-15445

- I. Pirogov, V. O.
- II. PASEB-S-661-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

S-745/63

The Influence of Centimeter Radio Waves on ~~XXXX~~
Female Mice Fertility, by S. F. Goroketskaya.
SF-2794

RUSSIAN, per, Fiz Zhur, Vol^{XL} IX, No 3, 1963, pp 394-395.

*JPRS

Sci - Biol

Aug 63

Age-Determined Characteristics of the Regulation
of Trophism in the Skeletal Muscle, by
V. V. Frolov, 9 pp.
UKRAINIAN, per, Fiz Zhur, Vol IX, No 5, 1963,
pp 596-600.
NIH 5-2-64

Sci - Biol & Med
Jul 64

262,193

Some Philosophical Problems of the Interrelationship of
Physiology and Cybernetics, by O. F. Makarchenko,
M. L. Gorbach, 12 pp.
UKRAINIAN, per, Fiz Zhur, No 6, Vol IX, 1963, pp 707-715.
(Foreware, Table of Contents)

JPRS 23060

Sci-Biol & Med
Feb 64

248, 179

On the Influence of Low Concentrations of Light Anesthetics
On the Cardiac Activity of Rabbits, by Yu. B. Romanuk-Kyy,
5 pp.
UKRAINIAN, *éper*, Fiz Zhur, Vol 6X, No 6, pp 824-826.
(Foreward, Table of Contents)

JPRS 23059

Sci-Biol & Med
Feb 64

248, 195

A Method for the Simultaneous Registration
of Some Indices of the Activity of the
Salivary Gland, by N. Y. Vakolyuk. 4 pp.
RUSSIAN, per, Fiziologichnyy Zhurnal,
Vol 9, No 6, 1963, pp 829-830. 9700177
FTD-TT-65-1520

Sci/US
May 66

299,476

Effect of Oxygen, Carbon Dioxide, and
Nitrogen on the Electric Properties of the
Smooth Muscle, by N. F. Shuba, 8 pp.
UKRAINIAN, per, Fiziologicheskyy Zhurnal,
Vol 10, No 2, Mar-Apr 1964, pp. 156-162.
JPRS 31013

USER
Sci-B/M
Jul 65

233,258

Physiological Analysis of the Effects of Prolonged
Muscular Efforts on the Working Capacity of Unfat-
igued Muscles, by I. V. Murayov, F. I. Trachov, II pp.
UKRAINIAN, par. Fiziol Zhur, Vol X, No 2, Mar, Apr
1964, pp 163-170.
JPRS 25593

Sci - B & M Sci
Aug 64

263,434

Normal Spatial Vectorcardiograms in Laboratory
Animals Dogs, Cats, and Rabbits, and Methods for
Its Recording, by M. Ya. Kymnitskiy, 9 pp.
HURAIANIAN, par. Fiziol Zhur, Vol X, No 2, Mar, Apr,
1964, pp 177 -182.
JPRS 25599

Sci - B & M Sci
Aug 64

263,433

Mechanism of Action of Ultrasound on Processes of
Resorption in the Gastro-Intestinal Tract,
by V. R. Faytalberg-Blank, 13 pp.
UKRAINIAN, per. Fiziol Zhur. Vol X, No 2, Mar, Apr
1964, pp 227-234.
JPRS 25600

Sci - B & M Sci
Aug 64

263,435

Effect of Adrenalectomy in White Rats Adapted to
Hypoxia on Resistance to Radial Acceleration,
by V. P. Dudarev, 6 pp.
HUMANIAN, par, Fiziol Zhur, Vol X, No 2, Mar, Apr
1964, pp 274-277.
JPRS 23601

Sci - B & M Sci
Aug 64

263,436

Universal Device for Input of Physiological
Characteristics into an Electronic Computer,
by K. O. Shkabar, Yu. S. Rubashov, 68 pp.
UKRAINIAN, per, Radio Zvezdy, Vol. X, No. 3,
May, Jun 1964, pp 301-308.
JPRS 26444

Sci- B/EM
Sep 64

267,382

An Algorithm for Analyzing the Impulse Activity
of Neurons With an Electronic Computer,
by M. V. Yarovitskiy, 7 pp.
UKRAINIAN, per, Fiziol Zhur, Vol X, No 3,
1964, pp 308-312.
JPRS 26444

Sci - B & M
Sep 64

267,383

Some Problems of the Adaptation of the Organism
to Chronic Oxygen Starvation, by V. I. Voytkovich,
9 pp.

UKRAINIAN, per, Fiz Zhur Ak Nauk Ukrayins
RSR, Vol X, No 3, 1964, pp 360-365.
JPRS 26444

Sci - B & M
Sep 64

267,384

8-698/64

Selections From Physiology Journal. (SF-3226)

UKRAINIAN
RUSSIAN, per, Fizsiologichnyy Zhurnal, Vol X,
No 3, 1964, pp 381-386; ~~388-392~~; ~~388-389~~; 379-382;
390-392; 392-394; 394-396; ~~396-397~~; 407-409; 410-411;
and 416-418.

*JPRS

262/44

Sci - Biol & Med Sci
Jul 64

Electrical Activity of the Neurons of the Visual
Cortex of the Rabbit, by R. R. Valikaya, 12 pp.
UKRAINIAN, per, Fiziol Zhur, No 4, Jul, Aug 1964,
pp 450-458.
JPRS 26990

Sci - B & M
Dec 64

269,901

Senescence and Adaptation of the Organism,
by V. V. Frol'kis, 10 pp.
UKRAINIAN, per, Fiziol Zhur, No 4, Jul, Aug 1964,
pp 460-467.
JPRS 26990

Sci - B & M
Dec 64

269,902

The Problem of the Interception of the Tongue,
by V. O. Samoylov, 9 pp.
UKRAINIAN, per, Fiziol Zhur. No 4, Jul, Aug 1964,
pp 469-474.
JPRS 26990

Sci - B & M
Dec 64

269,903

Effect of an Ultra-High Frequency Field and Convective
Heat on the Estrual Cycle in Mice, by S. F. Gorodetskaya,
8 pp.
UKRAINIAN, per, Fiziol Zhurn, No 4, Jul, Aug 1964,
pp 494-499.
JPRS 26990

Sci - B & M
Dec 64

269,331904

The Mechanism of the Biological Action of Ultrasonic
Vibrations, by M. I. Gurevich, S. A. Berakhsyn, 13 pp.
UKRAINIAN, per, Fiziol Zhur, No 4, Jul, Aug 1964,
pp 508-514.
JPRS 26990

Sci - B & M
Dec 64

269,905

Relations Between Peripheral Motor Chronaxy and
the Mobility of the Basic Nerve Processes in the
Human Cerebral Cortex, by N. V. Kol'chenko, 6 pp.
UKRAINIAN, per, Fiziol Zhur, No 4, Jul, Aug 1964,
pp 518-521.
JPRS 26990

Sci - B & M
Dec 64

269,906

Relation Between Work Span and Rest Periods
for People of Various Ages, By: K. Kobyak,
5 pp.
UKRAINIAN, per, Fiziologicheskyy Zhurnal,
Vol I, No 4, Jul/Aug 1964, pp. 521-523.
JPRS 31268

Sci-B/M

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3. Intestine--Physiology
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1. Chemoreceptors--
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